

Converting Colors

XYZ(23.6274, 13.0952, 95.8901)

Have a look what the booklet for
XYZ(23.6274, 13.0952, 95.8901)
contains.

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Color

**XYZ(23.6244, 13.0733,
95.8860)**

Conversions

Conversions Part 1

Format	Color
Hex	5343FF
RGB	83, 67, 255
RGB Percent	33%, 26%, 100%
CMY	0.6745, 0.7373, 0.0000
CMYK	0.67, 0.74, 0.00, 0.00
HSL	245°, 100%, 63%
HSV	245°, 74%, 100%
XYZ	23.6244, 13.0733, 95.8860
YIQ	93.2160, -50.8120, 61.8600

Conversions

Conversions Part 2

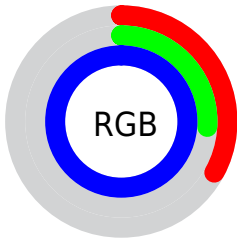
Format	Color
R _Y B	83, 67, 255
Decimal	5456895
CIE Lab	42.87, 60.61, -90.20
CIE LCh	43, 108.668, 303.899
Yxy	13.0733, 0.1782, 0.0986
Android (android.graphics.Color)	4283646975 (0xFF5343FF)
YUV	93.2160, 79.7595, -8.9594
Hunter-Lab	36.1570, 53.3542, -131.9232

Details

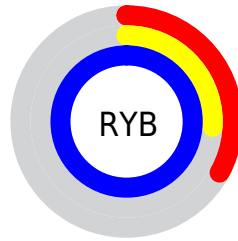
The XYZ color **23.6244, 13.0733, 95.8860** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed blue. A complement of this color would be **72.3655, 90.2738, 18.9204**, and the grayscale version is **10.2838, 10.8194, 11.7823**.

A 20% lighter version of the original color is **37.4773, 26.8523, 97.8155**, and **10.2633, 4.4018, 53.1320** is the 20% darker color. If you saturate the color by 10%, you get **20.7046, 9.7913, 95.4064**, and if you desaturate by 10%, it is **27.9045, 18.0458, 96.6202**.

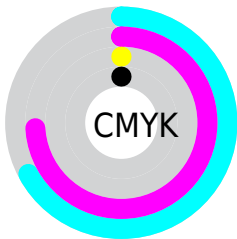
Distribution



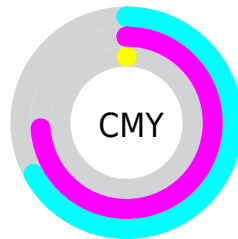
- Red (33%)
- Green (26%)
- Blue (100%)



- Red (33%)
- Yellow (26%)
- Blue (100%)



- Cyan (67%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6244, 13.0733, 95.8860 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.6244, 13.0733, 95.8860 by changing the saturation by 10% instead.

■ 23.6244, 13.0733,
95.8860

■ 23.6244, 13.0733,
95.8860

263.3919,
211.3869, 568.0542

■ 15.1785, 7.4790,
72.2717

■ 48.8757, 31.4354,
157.4942

■ 9.0319, 3.7635,
52.8924

■ 66.4118, 44.9720,
196.3251

■ 4.8192, 1.5421,
37.3298

■ 87.7087, 61.9249,
241.0653

■ 2.1753, 0.3181,
25.1651

■ 113.1317, 82.6785,
292.1333

■ 0.7297, 0.0000,
15.9800

■ 143.0461,
107.6170, 349.9476

■ 0.0000, 0.0000,
9.3558

177.8174,

■ 0.0000, 0.0000,

137.1250, 414.9269

4.8740

217.8109,
171.5869, 487.4895

■ 0.0000, 0.0000,
2.1161

■ 0.0000, 0.0000,
0.6253

■ 23.6244, 13.0733,
95.8860

■ 23.6244, 13.0733,
95.8860

■ 20.7046, 9.7913,
95.4064

■ 27.9045, 18.0458,
96.6202

■ 18.9752, 7.9720,
95.1464

■ 33.6830, 24.8958,
97.6378

■ 18.3747, 7.3874,
95.0652

■ 41.0832, 33.7865,
98.9639

■ 50.2151, 44.8629,
100.6205

■ 61.1790, 58.2569,
102.6280

■ 74.0676, 74.0899,
105.0047

■ 88.9671, 92.4748,
107.7681

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.5431, 13.0733, 125.9058



23.6244, 13.0733, 95.8860



32.9800, 13.0733, 45.3087

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.6244, 13.0733, 95.8860



20.8550, 13.0733, 0.0000



2.3349, 13.0733, 17.5749

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.6244, 13.0733, 95.8860



72.3655, 90.2738, 18.9204

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.8967, 13.0733, 2.1073



23.6244, 13.0733, 95.8860



11.3717, 13.0733, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.6244, 13.0733, 95.8860



30.9428, 13.0733, 0.9307



5.4798, 13.0733, 0.0000



3.3276, 13.0733, 57.9863

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.6244, 13.0733, 95.8860



36.0161, 13.0733, 19.6674



5.4798, 13.0733, 0.0000



2.3525, 13.0733, 9.9076

Sweetspot

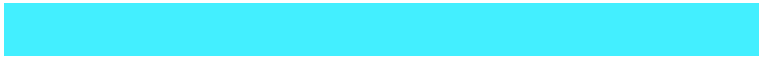
The Sweet Spot groups the original color and five complimentary colors.



23.6252, 13.0735, 95.8860



63.2641, 60.8128, 103.0114



51.3287, 70.3415, 105.4797



12.8456, 12.1641, 21.9208



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.6252, 13.0735, 95.8860



19.8309, 8.8500, 95.2708



38.1124, 20.5420, 96.5640



17.1464, 17.4517, 22.7147



9.6502, 3.8853, 49.6759



0.9863, 0.4024, 4.8390

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.8252, 31.5053, 84.6326



56.8436, 28.2688, 81.7318



48.5087, 77.9752, 17.8039



18.7220, 18.2721, 22.4192



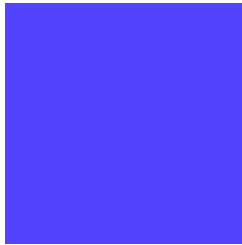
29.2828, 14.2024, 41.7354



2.8700, 1.3904, 4.1630

Previews

White Background



This preview shows how the XYZ color 23.6244, 13.0733, 95.8860 looks on a white background.

Color Contrast Check

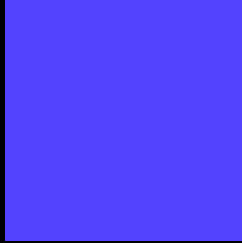
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.6244, 13.0733, 95.8860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

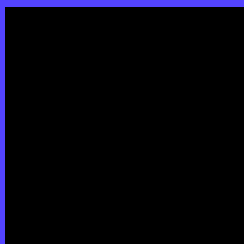
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6244, 13.0733, 95.8860

Background



This preview shows how black text looks on a background with the XYZ color 23.6244, 13.0733, 95.8860.



This preview shows how white text looks on a background with the XYZ color 23.6244, 13.0733,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.6244, 13.0733, 95.8860

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

12.4902, 12.7565, 41.8483



Tritanopia

9.0142, 12.7008, 19.4292

Trichromacy



Original Color

23.6244, 13.0733, 95.8860

Protanomaly

17.1825, 12.2593, 71.2727

Deuteranomaly

14.9711, 11.9001, 58.0078

Tritanomaly

11.6955, 11.2876, 38.6081

Monochromacy



Original Color

23.6244, 13.0733, 95.8860

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.9576, 10.7315, 31.0942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6244, 13.0733, 95.8860 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(83, 67, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 67, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(83, 67, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 67, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.6244, 13.0733, 95.8860 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(83, 67, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(83, 67, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(83, 67, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 67, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 67, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 67,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6244, 13.0733, 95.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 67, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(83, 67,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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